

Converting Colors

$Yxy(40.4257, 0.1989, 0.1896)$

Have a look what the booklet for
Yxy(40.4257, 0.1989, 0.1896)
contains.

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Color

Yxy(38.1431, 0.2096, 0.2182)

Conversions

Conversions Part 1

Format	Color
Hex	5AAAFF
RGB	90, 170, 255
RGB Percent	35%, 67%, 100%
CMY	0.6470, 0.3333, 0.0001
CMYK	0.65, 0.33, 0.00, 0.00
HSL	211°, 100%, 68%
HSV	211°, 65%, 100%
XYZ	36.6398, 38.1431, 100.0251
YIQ	155.7700, -74.9650, 9.4750

Conversions

Conversions Part 2

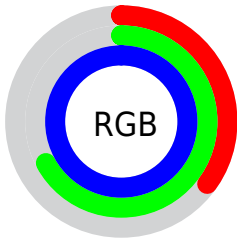
Format	Color
R _Y B	90, 144, 255
Decimal	5942015
CIE Lab	68.13, 1.28, -49.38
CIE LCh	68, 49.394, 271.487
Yxy	38.1431, 0.2096, 0.2182
Android (android.graphics.Color)	4284132095 (0xFF5AAAFF)
YUV	155.7700, 48.9204, -57.6803
Hunter-Lab	61.7601, -2.1834, -52.7925

Details

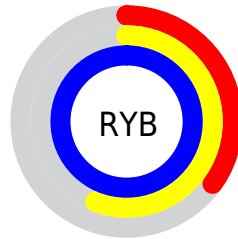
The Yxy color **38.1431, 0.2096, 0.2182** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **52.6556, 0.4569, 0.4119**, and the grayscale version is **32.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9405, 0.2525, 0.2943**, and **17.0341, 0.1862, 0.1902** is the 20% darker color. If you saturate the color by 10%, you get **32.3959, 0.1968, 0.1978**, and if you desaturate by 10%, it is **44.8233, 0.2242, 0.2384**.

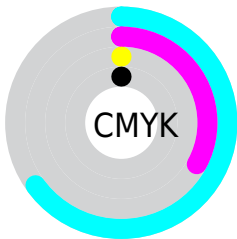
Distribution



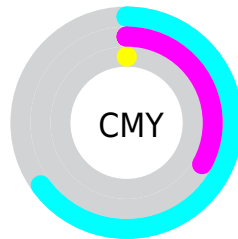
- Red (35%)
- Green (67%)
- Blue (100%)



- Red (35%)
- Yellow (56%)
- Blue (100%)



- Cyan (65%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1431, 0.2096, 0.2182 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 38.1431, 0.2096, 0.2182 by changing the saturation by 10% instead.


 38.1431, 0.2096,
0.2182


 38.1431, 0.2096,
0.2182

338.2334, 0.2600,
0.2721


 26.0938, 0.1978,
0.2056


 72.3274, 0.2274,
0.2372


 16.8938, 0.1832,
0.1901


 95.2312, 0.2342,
0.2445

 10.1588, 0.1649,
0.1707


 122.5219, 0.2401,
0.2508

 5.5044, 0.1415,
0.1459

 154.5840, 0.2452,
0.2562

 2.5461, 0.1115,
0.1143

191.8018, 0.2496,
0.2610

 0.8997, 0.0737,
0.0748

234.5597, 0.2535,

 0.0000, 0.0000,

0.2651

0.0000

283.2421, 0.2569,
0.2688

■ 38.1431, 0.2096,
0.2182

■ 38.1431, 0.2096,
0.2182

■ 32.3959, 0.1968,
0.1978

■ 44.8233, 0.2242,
0.2384

■ 27.5164, 0.1863,
0.1778

■ 52.4868, 0.2400,
0.2580

■ 23.4332, 0.1783,
0.1589

■ 61.1839, 0.2565,
0.2764

■ 21.5419, 0.1748,
0.1494

■ 70.9597, 0.2732,
0.2934

■ 81.8562, 0.2896,
0.3090

■ 93.9130, 0.3055,
0.3230

99.9990, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.1431, 0.1865, 0.2401



38.1431, 0.2096, 0.2182



38.1431, 0.2591, 0.2218

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38.1431, 0.2096, 0.2182



38.1431, 0.4516, 0.3417



38.1431, 0.2834, 0.4371

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38.1431, 0.2096, 0.2182



52.6556, 0.4569, 0.4119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



38.1431, 0.3542, 0.4650



38.1431, 0.2096, 0.2182



38.1431, 0.4551, 0.3964

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.1431, 0.2096, 0.2182



38.1431, 0.4036, 0.2895



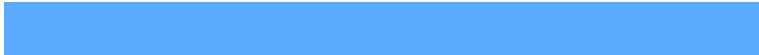
38.1431, 0.4174, 0.4439



38.1431, 0.2244, 0.3662

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.1431, 0.2096, 0.2182



38.1431, 0.3047, 0.2366



38.1431, 0.4174, 0.4439



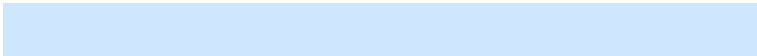
38.1431, 0.3066, 0.4524

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38.1444, 0.2096, 0.2182



77.0373, 0.2826, 0.3025



76.6826, 0.2701, 0.4364



15.8271, 0.2779, 0.2980



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1444, 0.2096, 0.2182



30.6951, 0.1930, 0.1911



16.7092, 0.1864, 0.1201



18.8315, 0.2979, 0.3164



11.5538, 0.1757, 0.1523



1.3426, 0.1815, 0.1733

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.4750, 0.4172, 0.2518



26.3827, 0.4511, 0.2460



93.5057, 0.4024, 0.4773



18.1338, 0.3218, 0.3175



11.8943, 0.5029, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 38.1431, 0.2096, 0.2182 looks on a white background.

Color Contrast Check

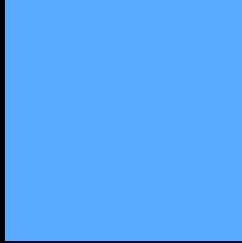
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 38.1431, 0.2096, 0.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

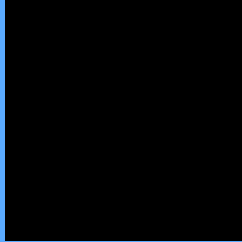
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

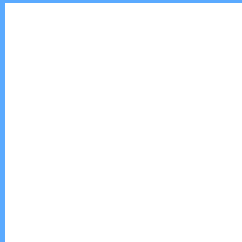
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1431, 0.2096, 0.2182

Background



This preview shows how black text looks on a background with the Yxy color 38.1431, 0.2096, 0.2182.



This preview shows how white text looks on a background with the Yxy color 38.1431, 0.2096, 0.2182.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38.1431, 0.2096, 0.2182

Protanopia

37.7689, 0.2322, 0.2201

Deuteranopia

38.0522, 0.2209, 0.2149



Tritanopia

38.3113, 0.2274, 0.3069

Trichromacy



Original Color

38.1431, 0.2096, 0.2182

Protanomaly

37.7972, 0.2226, 0.2187

Deuteranomaly

38.0456, 0.2162, 0.2161

Tritanomaly

38.1158, 0.2201, 0.2715

Monochromacy



Original Color

38.1431, 0.2096, 0.2182

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2010, 0.2631, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1431, 0.2096, 0.2182 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(90, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 170, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(90, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 170, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.1431, 0.2096, 0.2182 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 170, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(90, 170, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(90, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 170,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1431, 0.2096, 0.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 170, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(90, 170,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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